

Astrophysics-independent analysis of direct detection data

Thursday 29 August 2013 14:24 (24 minutes)

I will present an improved method to analyze and compare dark matter direct detection data independently of the WIMP halo density and velocity distribution. I will apply the method to various particle physics models in the few GeV WIMP mass region, which is of great interest due to several claims of possible signals and conflicting upper limits.

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Session Classification: Particle physics